

# FORECASTER™



## Mapping Software for your Coyote Receiver

**Forecaster™** is a Windows® XP software application that scans and monitors a variety of wireless networks. The software utilizes GPS-based receiver hardware and overlays data points containing signal strength measurements as well as geo-coding data.

**Forecaster™** works with Berkeley's Coyote modular receiver system in mapping all wireless surveys including base station/antenna coverage, location and overlap on any PC. Surveys are plotted in graphic or tabular views and may be exported further into KML files for plotting in applications such as **Google Earth™**.

*Forecaster software adds exceptional value to your Coyote & Panther receivers*

### COVERAGE ANALYSIS

### VALIDATION PREDICTION

### RELIABILITY ANALYSIS

- ✓ Create GPS geo-coded surveys of any WiMAX, ISM, PCS, GSM, LMR, WCS, ETACS or Cellular network
- ✓ Plot & view coverage in table or graphical windows
- ✓ Plot & view measurement data along any drive path
- ✓ Plot the averaging reliability of measurement data
- ✓ Cluster measuring points for analysis
- ✓ Automatically estimate location of a base station
- ✓ KML reports of coverage over GoogleEarth™
- ✓ Works with Coyote's™ single channel/all scan mode
- ✓ Works with Panther's™ fast scan/scan mode
- ✓ HTML reports show parameters of:
  - base stations/antennas
  - coverage of base stations
  - overlap area of selected base stations



Combines realtime Coyote™ measurements with GPS geo-coding accuracy.

Call us today for more information:  
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## Coyote Hardware Specifications

### BANDS SUPPORTED

Wi-MAX:	2.5 GHz
Wi-MAX:	3.4 GHz
ISM:	2.400-2.485 GHz
	900-930 MHz
PCS:	Uplink (Blocks A through F) 1850-1910 MHz
	Downlink (Blocks A through F) 1930-1995 MHz
LMR:	805-825 MHz
iDEN/SMR:	850-870 MHz
Cellular:	824-848 MHz
	868-896 MHz
ETACS:	872-905 MHz
	915-950 MHz
Paging:	145-165 MHz
	450-465 MHz
	928-941 MHz
WCS:	2.30-2.36 GHz

### SENSITIVITY

-118 to -30 dB  $\pm$  1 dB (@ 10 kHz IF Bandwidth)

#### Adj. Chan. Rejection:

>45 dB @ 30 kHz

### RECEIVER MODES

Single Channel

Multiple Channel (user selectable or sweep)

### DATA AVERAGING

Temporal

Spatial

512 measurements/receiver/second

512 measurements/receiver/second

### GENERAL SPECIFICATIONS

#### Dual Conversion:

83 MHz 1st IF, 455 kHz 2nd IF

#### IF Bandwidth:

4 kHz, 10 kHz, 25 kHz, 30 kHz (@ 6dB)

#### Stability:

$\pm$  2.5 PPM Temp range 32° to 120 F°

#### Phase Noise:

> 80 DBC/Hz @ 10 kHz

#### Antenna:

SMA 50 ohm

#### Controls:

20 button keypad

#### Warm Up Time:

< 3 minutes

#### Power:

Internal 10.8 Volt Li-ion battery (3.6 mA) run time 8 hours

12V jack for external power

#### USB Port:

12Mbits/s (1.5 Mbyte / sec)

#### GPS:

12-channel receiver

#### Weight:

7 lbs.

#### Dimensions:

3.5" H x 6" W x 7.75" L (water resistant, high impact ABS plastic case)

#### Approvals:

UL, CSA